

## **ABSTRACT**

A lamp actuating device includes a number of lamps each having an output terminal, an inverter circuit coupled to the lamps to convert electric power and to energize the lamps, a low frequency control unit coupled to the inverter circuit, to set an average current value at the output terminals of the lamps and to control the inverter circuit, a number of current detecting units coupled between the lamps and the low frequency control unit to obtain and send the average current value at the output terminals of the lamps to the low frequency control unit. A number of regulating devices are coupled between the lamps and the low frequency control unit respectively, to control electric power through the lamps, and to maintain each of the lamps at the average current value.